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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/616,075	07/09/2003	Terry M. Fritz	10018793-1	9932

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EXAMINER

HAILU, TADESSE

ART UNIT	PAPER NUMBER
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2173

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/26/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)	
	10/616,075	FRITZ ET AL.	
	Examiner	Art Unit	
	Tadesse Hailu	2173	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 December 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-44 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-44 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>12/20/06</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This Office Action is in response to the AMENDMENT submitted December 20, 2006 for the above patent application number.
2. The Declaration of Prior Invention under 37 C.F.R. 1.131 submitted on December 20, 2006 to remove the Asheby Publication has been considered and entered. As a result Asheby Publication is withdrawn.
3. The pending claims 1 through 44 are examined herein as follows.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –
(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

4. Claims 1-14, 16-24, 26, 28-30, 32, 34, 35, 37, 39, and 42-44 are rejected under 35 U.S.C. 102(a) as being anticipated by Parry (US 2003/0030664).

The present invention relates generally to imaging devices, and in particular to control panels for imaging devices. Similarly, Parry is also relates to customizable control panel software which enables a computer user to access, manage and update peripheral devices, such as printing devices.

With regard to claim 1:

1. An imaging device (printing device 50) coupled to a computer (workstation 20), comprising:

a display panel (local display 58 or customizable printer control panel 100)
located on the imaging device (printing device 50) ;

a driver (e.g., a print driver component or printer software) resident on the
computer (workstation 20, Fig. 1) for operating the display panel, the driver providing a
display configuration for the display panel and displaying a screen representative of the
display configuration on a display of the computer (pars. 19, 51, 53 and 85).

With regard to claim 2:

Parry's imaging device further discloses that the driver includes a plurality of
commands for performing a plurality of operations on the display panel to change an
appearance of the display panel (Fig. 3, 4 or 5, pars. 19, 51 and 55).

With regard to claim 3:

Parry's imaging device further discloses a configuration program adapted to run
on a processor to create configurations for the display panel (pars. 53, 56 and 58, Fig.
3, 4 or 5).

With regard to claim 4:

Parry's imaging device further discloses that the command program further
comprises: a graphical user interface to display a representation of the display panel
on the display of the computer (Fig. 3, 4 or 5).

With regard to claim 5:

Parry discloses a graphical panel (Fig. 3, 4 or 5) for an imaging device (e.g.,
printing device 50), comprising:

a configurable display located on the imaging device (Fig. 3, 4 or 5); and

a command (or menu) program to control the configurable display (Fig. 3, 4 or 5), the command program usable to re-configure the configurable display (pars. 47, 53, 56 and 58).

With regard to claim 6:

Parry's graphical panel further includes that the command program is loadable on an external processor (e.g. workstation 20), the external processor connectable to the configurable display (local display 58 or customizable printer control panel 100, Fig. 1) to transmit a display configuration to the configurable display (pars. 21, 49, 53 and 54).

With regard to claim 7:

Parry's graphical panel (customizable printer control panel 100) further includes that a configuration program having a plurality of commands for generating the display configuration, and connectable to the command program to transmit the display configuration to the command program (par. 66).

With regard to claim 8:

Parry's graphical panel further discloses that the configuration program is loadable on an external computer (e.g., workstation 20, Fig. 1), the external computer connectable (see Fig. 1) to the command program to transmit the display configuration to the command program (par. 66).

With regard to claims 9 and 20:

Parry's graphical panel further discloses that the configuration program further includes a menu item command (see Fig. 3, 4 or 5);

a font command (see Fig. 3, 4 or 5); a font size command (see Fig. 3, 4 or 5); a color command (see Fig. 3, 4 or 5); a language command (see Fig. 3, 4 or 5); and a background command (see Fig. 3, 4 or 5); wherein each of the commands controls a property of the configurable display, and each of the commands is adjustable by a user to a preference of the user for each property (par. 56 and 62).

With regard to claim 10:

Parry discloses a host-based (e.g., workstation 20) command application, comprising: a graphical user interface (Fig. 3, 4 or 5) to display a representation of a front panel display for an imaging system; a command module, the command module adapted to allow re-configuration of the graphical user interface to display a new representation of the front panel display (pars. 19 and 73, Fig. 3, 4 or 5); and a configuration module to transmit the new representation to an imaging system (pars. 36, 66, 79 and 81).

With regard to claim 11:

Parry further discloses that the configuration module comprises: a command program adapted to run on a processor to create display configurations for the front panel display (customizable printer control panel 100) (pars. 19, 67, 76 and 79).

With regard to claim 12:

Parry further discloses that the command program further comprises: a graphical user interface to display a representation of the front panel display on the graphical user interface (par. 56).

With regard to claim 13:

Parry further discloses that the host-based application resides on a computer external to the imaging system (e.g., workstation 20, Fig. 1, pars. 36, 76 and 78).

With regard to claim 14:

Parry further discloses that the host-based application resides on the imaging system (pars. 33, 47, Fig. 1 or 2).

With regard to claim 16:

Parry discloses an imaging system (printing device 50), comprising: a body (Fig. 1); a controller (60) within the body; a memory (62) within the body operatively connected to the controller (60); a printer mechanism within the body operatively connected to the controller (Fig. 1); a display (local display 58) on the body operatively connected to the controller (e.g., microprocessor 60, pars. 38 and 40); and a communications module (e.g., communication link 40) within the body operatively connected to the controller (microprocessor 60), the communications module (40) adapted to receive an external display configuration and to transmit a received display configuration to the controller (Fig. 1, pars. 36 and 41).

With regard to claim 17:

Parry further discloses a command (or menu) program having a plurality of commands for generating the display configuration (Fig. 3, 4, or 5).

With regard to claim 18:

Parry further discloses that the command program is displayed on local display 58 external to the body of the printer 50 (see Fig. 2).

With regard to claim 19:

Parry further discloses that the command program is loadable on an external computer (e.g., workstation 20, Fig. 2), the external computer connectable to the communications module to transmit a display configuration to the controller via the communications module (communication link 40, Fig. 2, pars. 36 and 41).

With regard to claims 21-24 and 26:

Parry further discloses that the command program is accessed via a keypad (par. 31), voice recognition (par. 31), a touchpad (par. 54), a graphical user interface (Fig. 3, 4 or 5), from the command program via a wireless access (pars. 290 and 36).

With regard to claim 28:

Parry further discloses an imaging system (Fig. 1 or 2) comprising: a controller (microcontroller 60); a memory (62) operatively connected to the controller (60); a printer (printing device 50) mechanism operatively connected to the controller (see Fig. 1); a display panel (or control panel 100) operatively connected to the controller and located on the imaging device (Fig. 3, 4 or 5); and a driver (print driver software) for the display panel, the driver configured to control the display panel, and to display a representation of the display panel for configuration by a user (pars. 51, 53 and 55).

With regard to claim 29:

Parry further discloses an method of configuring a display panel (or control panel 100) of an imaging device (printing device 50) comprising: selecting a set of user preferences for the display panel (100) of the imaging device (pars. 56, 64, and 66); saving the set of user preferences (par. 56); and transmitting the set of user

preferences to the imaging device for display at the imaging device on the display panel (or control panel 100) (pars. 42, 53, 66 and 80).

With regard to claim 30:

Parry further discloses that selecting a set of user preferences comprises: displaying a first graphical representation of the display panel (or control panel 100) (Fig. 3, 4 or 5); selecting a set of display preferences for the display panel (pars. 56, 64, and 66); and displaying a second graphical representation of the display panel including the selected set of display preferences, the second graphical representation being different from the first graphical representation (pars. 64, 69, 73 and 74, Fig. 5).

With regard to claim 32:

Parry discloses a machine readable medium (ROM, RAM, etc of workstation 20) comprising a set of instructions for causing a processor to perform a method, the method comprising: displaying a first graphical representation of a display panel (or control panel 100) for an imaging device (Fig. 3 or 4); displaying a second graphical representation of the display panel when a set of user preferences is changed (Fig. 5); saving the set of user preferences (pars. 64, 69 and 70); transmitting the set of user preferences to the imaging device (pars. 17, 66 and 70); and displaying the set of user preferences on the display panel at the imaging device (pars. 64, 69, 73 and 74, Fig. 5).

With regard to claim 34:

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Parry further discloses that the transmitting the set of user preferences comprises: sending a selected set of user preferences to an imaging device via a transmission link (transmission link 40, Fig. 1, pars. 17, 66 and 70).

With regard to claim 35:

Parry discloses a method of reconfiguring a display for an imaging system, comprising: storing a plurality of uniquely-identified display configurations for the display in the imaging system (pars. 46 and 66); activating a selected one of the display configurations (pars. 66 and 87); and configuring the display according to the selected one of the display configurations when the selected one of the display configurations is activated, including displaying the selected one of the display configurations on the display at the imaging system (pars. 17, 46, 67 and 80).

With regard to claim 37:

Parry further discloses activating a display configuration comprises: transmitting an activation command to the imaging system from an external source (e.g., network or workstation 20) (pars. 17, 66 and 70).

With regard to claim 39:

Parry further discloses that transmitting comprises: transmitting from an external computer (workstation 20) (pars. 17, 66 and 70).

With regard to claim 42:

Parry discloses a command or menu program (Fig. 3) for an imaging device (printer device 50), comprising: means for selecting a set of user preferences for a display of the imaging device (pars. 56, 64, and 66, Fig. 3, 4 or 5); means for saving

the set of user preferences (memory 62, Fig. 1, par. 56); and means for transmitting (communication link 40) the set of user preferences to the imaging device for display at the imaging device (pars. 42, 53, 66 and 80).

With regard to claim 43

Parry further discloses that the means for selecting a set of user preferences further comprises a command program having a plurality of commands for generating the set of user preferences (see the plurality of buttons or commands in Fig. 3, 4, 5).

With regard to claim 44:

Parry further discloses that the means for selecting a set of user preferences further includes at least means for displaying (display 58) a graphical representation of the display of the imaging device (par. 36); means for selecting (by touching or pressing the command button) a set of display preferences for the display of the imaging device (pars. 56, 64, and 66); and means for displaying a new graphical representation including the selected set of display preferences for the display of the imaging device (pars. 64, 69, 73 and 74, Fig. 5).

5. Claim 41 is rejected under 35 U.S.C. 102(e) as being anticipated by Kaylor (6,990,548).

Kaylor discloses methods and arrangements for configuring a printer over a wireless communication link using a wireless communication device. Kaylor also describes operating a printer and other peripherals remotely includes at least programming, remotely to the imaging device, individual user preferences for a display panel located on the imaging device (col. 3, lines 27-34, col., 5, lines 14-20);

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transferring the individual user preferences to the imaging device (col., 5, lines 29-32, 58-64); and displaying the individual user preferences on the display panel at the imaging device (col. 3, lines 63-col., 4, lines 10).

6. Claims 10 and 15 are rejected under 35 U.S.C. 102(e) as being anticipated by Rudd et al (US Pat No. 6,934,915)

With regard to claim 10:

Rudd discloses a system and method for personalizing and electrical device interface. As illustrated in Fig. 1, a system 100 comprising one or more electrical devices 102, such as imaging device and one or more computers 110. Each electronic device and the computers are communication via network 112. As indicated in FIG. 2, computer 110 includes a device solution application 216 (a host based application) (column 4, lines 17-33). The device solution application further includes interface personalize module 220 (a graphical user interface) that can be used to personalize (i.e., customize) the interfaces that are used to control the electrical devices 102 (column 4, lines 17-33). The interface personalization module 220 can present the user with various commands that can be selected for addition to the interface and allow reconfiguration of the interface to display a new representation for the front panel display. (column 6, lines 31-39, column 8, lines 5-18). Rudd further discloses that interface to be personalized is the interface presented on the electrical device 102, facilitation can comprise transmission of the selected interface option to the electrical device 102(column 6, lines 40-46).

With regard to claim 15:

Rudd discloses a device solution application residing in computing device 110 . By way of example, the computing devices 110 comprise personal computers (PCs). Although PCs are identified in FIG. 1 and discussed herein, it will be appreciated any one of the computing devices 110 could, alternatively, comprise another type of computing device, such as personal digital assistance (column 3, lines 1-19).

7. Claims 16, 17, and 25-27 are rejected under 35 U.S.C. 102(a) as being anticipated by Simpson et al (2003/0038965).

Simpson discloses printing system (printing system) communicating to network service (Fig. 3). The imaging system includes the physical appearance of the printer or the body of the printer (224 or 225); a controller within the body; a memory within the body operatively connected to the controller; a printer mechanism within the body operatively connected to the controller (imaging client 202 comprising a computer, wherein the computer further comprising processor or controller 502, for example, Fig. 10); a display (pars. 59 and 69, Fig. 10, wherein the display is connected to the controller 502 via I/O) operatively connected to the controller; and a communications module (pars. 38, 44 and 45, Figs. 2 and 3) connected to the controller, the communications module adapted to receive an external display configuration and to transmit a received display configuration to the controller (pars. 38, 44 and 45, Figs. 2 and 3). Simpson further discloses a command program or a menu program having a plurality of commands for generating the display configuration (e.g., Figs. 5 and 6). Simpson further discloses that the command program is accessed via a magnetic stripe card reader (pars. 33 and 43). Simpson further discloses that the command

program is accessed at a distance from the command program via a wireless access wherein the wireless access devices is a cellular telephone (pars. 24 and 66).

8. Claims 29, and 31-33 are rejected under 35 U.S.C. 102(a) as being anticipated by McIntyre (20030063305).

McIntyre discloses a method, system and a machine-readable medium with instruction stored for saving and restoring printer control panel settings. McIntyre also teaches configuring a display panel for an imaging device (par. 26) comprising: selecting a set of user preferences for the display panel of the imaging device (par. 26); saving the set of user preferences (Abstract); and transmitting the set of user preferences to the imaging device for display at the imaging device on the display panel (McIntyre's claim 3, par. 31). McIntyre further discloses that saving the set of user preferences comprises: uniquely identifying the set of user preferences (par. 31); and storing the set of user preferences in a user preference set database (par. 26 and McIntyre's claim 8).

9. Claims 35 and 36 are rejected under 35 U.S.C. 102(e) as being anticipated by Anderson et al (2004/0203358).

Anderson discloses a method for printing content from a mobile-computing device. Anderson also describes a desktop assistant 410 reconfiguring a printer resources pool to the last configuration or some other desired configuration. Anderson discloses storing a plurality of uniquely-identified display configurations in the imaging system (pars. 31 and 49); activating a selected one of the display configurations; and configuring the display according to the selected one of the display configurations

when the selected one of the display configurations is activated, including displaying the selected one of the display configurations on the display at the imaging system (pars. 78, 80, 84 and 92). Anderson also describes that activating a display configuration comprises: speaking a command to a voice-activated command module on the imaging system (pars. 54 and 64).

10. Claim 35, 37, 38 and 40 are rejected under 35 U.S.C. 102(e) as being anticipated by Weaver (6,694,115).

Weaver describes a method of reconfiguring or altering a display for an imaging system comprising storing a plurality of uniquely-identified display configurations for the display in the imaging system (col., 5, lines 52-67); activating a selected one of the display configurations (col. 6, lines 56-67); and configuring the display according to the selected one of the display configurations when the selected one of the display configurations is activated, including displaying the selected one of the display configurations on the display at the imaging system (col., lines 56-67). Weaver further describes that activating a display configuration comprises: transmitting an activation command to the imaging system from an external source (e.g., network 120, Fig. 1, col., 3, lines 14-22). Weaver further describes that transmitting comprises: sending an infrared signal and radio frequency signal (Fig. 4, col., 4, lines 10-24).

Response to Arguments

11. Applicant's arguments filed December 20, 2006 have been fully considered but they are not persuasive. With respect to the Parry, Kaylor, Simpson, McIntyre, Anderson, and Weaver references, Applicant submits that these references do not

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teach or suggest the claimed invention. In contrast to the applicant's argument the above prior art clearly teach the claimed invention as set forth in the rejection.

Therefore, the rejections to claims 1 through 44 still hold - the claims are not in condition for allowance.

CONCLUSION

12. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

13. Examiner has pointed out particular references contained in the prior arts of record in the body of this action for the convenience of the applicant. Although the specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and Figures may apply as well. It is respectfully requested from the applicant, in preparing the response, to

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consider fully the entire references as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior arts or disclosed by the examiner.

14. Information regarding the status of an application may be obtained from the patent application information retrieval (PAIR) system. Status information for published application may be obtained from either Private –PAIR or Public-PAIR. Status information for unpublished applications is available through Private-PAIR only. For more information about the PAIR system, please see pair-direct.uspto.gov web site. Should you have questions regarding access to the PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

15. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Tadesse Hailu, whose telephone number is (571) 272-4051. The Examiner can normally be reached on M-F from 10:30 – 7:00 ET. If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Kincaid, Kristine, can be reached at (571) 272-4063 Art Unit 2173 and 2174.

Examiner Tadesse Hailu
Art Unit 2173 – Operator Interface
3/12/07

TADESSE HAILU
Patent Examiner